

POGORELOV, Aleksey Vasil'yevich; BLANK, Ya. B., professor, otvetstvennyy
redaktor; YANOVITSKIY, N.A., tekhnicheskiy redaktor

[Surfaces of limited external curvature] Poverkhnosti ogranicennoy
vneshnay krivisny. Khar'kov, Izd-vo Khar'kovskogo ordena trudovogo
krasnogo znameni gos.univ.im. A.M.Gor'kogo. 1956. 126 p. (MIRA 10:3)
(Surfaces)

BLANK, Ya. P.

POGORELOV, Aleksey Vasil'yevich; BLANK, Ya.P., professor, otvetstvennyy
redaktor; PROKOPENKO, M.I., redaktor; CHERNYSHEMKO, Ya.T.,
tekhnicheskiy redaktor

[Lectures on differential geometry] Lektsii po differential'noi
geometrii. Izd. 2-ee. Khar'kov, Izd-vo Khar'kovskogo gos. univ.
im. A.M.Gor'kogo, 1956. 183 p. (MIRA 10:?)
(Geometry, Differential)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205430005-2

BLANK, Ya.P., GOREDEVSKIY, D.Z.; POGORELOV, A.V.

Geometry at Kharkov University. Uch.zap.KHGU 65:41-57 '56.
(MIRA 10:7)
(Kharkov--Geometry--Study and teaching)

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BLANK, Ya. P

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.)
Jun-Jul '56, Trudy '56, v. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.
Berezman, A. M. (Kemerovo). Laplace Transformation in \mathbb{R}^3 Applied to Transformation Fibered Congruence Pairs. 140-141

Mention is made of Finikov, S. P.

Blank, Ya. P. (Khar'kov). On Congruences \mathcal{W} . 141

Borisov, Yu. F. (Leningrad). Parallel Shaft of Vector
and the Curves on Irregular Smooth Surfaces. 141-142

Mention is made of Aleksandrov, A. D.

Borisov, Yu. F. (Leningrad). Geometry of Semineighborhood
in Two-dimensional Manifolds of Bounded Curvatures. 142-143

Byushgene, S. S. (Moscow). Congruence Lines on the
Family of Surfaces. 143-144

Card 46/80

BLANK Ya. P.

POGORELOV, Aleksey Vasil'yevich; BLANK, Ya.P., prof., otvetstvennyy red.;
PROKOPENKO, M.I., red.; TROFIMENKO, A.S., tekhn.red.

[Problems of geometry as a whole in a Riemann space] Nekotorye
voprosy geometrii v tselom v rimannovom prostranstve. Khar'kov,
Izd-vo Khar'kovskogo ordena trudovogo krasnogo znameni gos.univ.
im. A.M.Gor'kogo, 1957. 89 p.
(Riemann surfaces)

BLANK, Ya. P.

POGORLOV, Aleksey Vasil'yevich; BLANK, Ya. P., prof., otvetstvennyy red.;
PROKOPENKO, M.I., red.; TROFIMENKO, A.S., tekhn.red.

[Lectures on analytic geometry] Lektsii po analiticheskoi geometrii.
Khar'kov, Izd-vo Khar'kovskogo gos. univ. im. A.M.Gor'kogo, 1957.
161 p. (MIRA 11:5)
(Geometry, Analytic)

SOV/44 - 58 - 4 - 3225

Translation from: Referativnyy zhurnal, Matematika, 1958, Nr 4,
p 125 (USSR)

AUTHOR: Blank, Ya. P.

TITLE: On W-Congruences (O kongruentsiyakh W)

PERIODICAL: Uch. zap. Khar'kovsk. un-ta, 1957, Nr 80; Zap. Matem.
otd. fiz.-matem. fak. i Khar'kovsk. matem. o-va, Nr 25,
pp 45 - 48

ABSTRACT: The author calls asymptotic a ruled surface belonging to
a W-congruence and tangent to its focal surfaces along asymptotic
lines, and proves the following: a W-congruence determines a one-
parameter family of surfaces with nets formed by asymptotic ruled
surfaces, the Green axes of which coincide with the rays of the
congruence. If the middle surface of a W-congruence belongs to
this family, then it is a transfer surface.

A. P. Norden

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CIA-RDP86-00513R000205430005-2

BLANK, Ya.P. (Khar'kov)

Analogue of translation surfaces in the Lobachevskii geometry.
Uch.zap.KHGU 80:35-44 '57. (MIRA 12:11)
(Topology)

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"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205430005-2

BLANK, Ya.P. (Khar'kov)

W congruences. Uch.zap.KHGU 80:45-48 '57. (MIRA 12:11)
(Congruences (Geometry))

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CIA-RDP86-00513R000205430005-2"

Blank, Ya. P.

GORDEVSKIY, Dmitriy Zakharovich; BLANK, Ya. P., prof., otvetstvennyy red.;
BAZILYANSKAYA, I.L.; CHERNYSHEKO, Ya.T., tekhn. red.

[Problems in analytic geometry on the generation of lines and
surfaces] Zadachi po analiticheskoi geometrii na obrazovanie linii
i poverkhnostei. Khar'kov, Izd-vo Khar'kovskogo gos. univ. im.
A.M. Gor'kogo, 1958. 49 p. (MIRA 11:7)
(Geometry, Analytic--Problems, exercises, etc.)

POGORELOV, Aleksey Vasil'yevich; BLANK, Ya.P., prof., otv.red.;
TRET'YAKOVA, A.N., red.: TROFIMENKO, A.S., tekhn.red.

[Infinitely small deformations of general convex surfaces]
Beskonechno malye izgibaniia obshchikh vypuklykh poverkhnosteii.
Khar'kov, Izd-vo Khar'kovskogo Gos.univ. im. A.M.Gor'kogo, 1959.
105 p.

(Convex surfaces)

BORISENKO, Aleksandr Ivanovich; TARAPOV, Ivan Yevgen'yevich; BLANK,
Ya.P., prof., otv.red.; GREDIAN, V.L., prof., otv.red.;
TRETYAKOVA, A.N., red.; TROFIMENKO, A.S., tekhn.red.

[Vector analysis and the beginnings of the calculus of tensors]
Vektornyi analiz i nachala tensornogo ischisleniya. Khar'kov,
Izd-vo Khar'kovskogo gos.univ., 1959. 237 p. (MIRA 13:8)
(Calculus of tensors) (Vector analysis)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205430005-2

POGORELOV, Aleksey Vasil'yevich; BLANK, Ya.P., otv. red.; KOVALEVA,
Z.G., red.; TROFIMENKO, A.S., tekhn. red.

[Theory of convex elastic shells in the post-critical stage]
K teorii vypuklykh uprugikh obolochek v zakriticheskoi stadii.
Khar'kov, Izd-vo Khar'kovskogo gos. univ. im. A.M.Gor'kovo,
1960. 78 p. (MIRA 14:5)
(Elastic plates and shells)

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POGORELOV, Aleksey Vasil'yevich; BLANK, Ya.P., prof., otv.red.;
TRET'YAKOV, A.N., red.; TROFIMENKO, A.S., tekhn.red.

[Some problems pertaining to the theory of surfaces in an
elliptic space] Nekotorye voprosy teorii poverkhnostei v
ellipticheskem prostranstve. Khar'kov, Izd-vo Khar'kovskogo
gos.univ., 1960. 91 p. (MIRA 13:8)
(Surfaces) (Spaces, Generalized)

POGORLOV, Aleksey Vasil'yevich; BLANK, Ya.P., prof., otd. red.;
KOVALEVA, Z.G., red.; DREMCHUK, R.P., tekhn. red.

[Elliptic type Monge-Ampere equations] Ob uравнениях
Монжа-Ампера эллиптического типа. Khar'kov, Izd-vo
Khar'kovskogo gos. univ. im. A.M.Gor'kogo, 1960. 110 p.
(MIRA 14:5)
(Differential equations, Partial)

F

PC GORELOV, Aleksey Vasil'yevich; BLANK, Ya.P., otv. red.; KOVALEVA,
Z.G., red.; SEMASHKO, Yu.Yu., tekhn. red.

[Some results in geometry in the large] Nekotorye rezul'taty po
geometrii v tselom. Khar'kov, Izd-vo Khar'kovskogo gos. univ.,
1961. 88 p. (MIRA 15:2)

(Geometry)

POGORELOV, Aleksey Vasil'yevich; BLANK, Ya.P., prof., otd. red.;
PROKOPENKO, M.I., red.; CHERNYSHENKO, Ya.T., tekhn. red.

[Lectures on differential geometry] Lektsii po differentsiyal'-
noi geometrii. Izd.3. Khar'kov, Izd-vo Khar'kovskogo gos.
univ. im. A.M.Gor'kogo, 1961. 165 p. (MIRA 15:2)
(Geometry, Differential)

BLANK, Ya.P.

Translation surfaces of constant curvature. Dokl. AN SSSR
139 no.5:1037-1039 Ag. '61. (MIRA 14:8)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo.
Predstavлено академиком P.S. Aleksandrovym.
(Surfaces) (Spaces, Generalized)

POGORELOV, Aleksey Vasil'yevich; BLANK, Ya.P., prof., otv. red.;
TRET'YAKOVA, A.N., red.; ALEKSANDROVA, G.P., tekhn. red.;
KURILOVA, T.M., red.; SMILYANSKAYA, T.M., tekhn. red.;
ALEKSANDROVA, G.P., tekhn. red.

[Cylindrical shells at supercritical deformations] TSilindricheskie obolochki pri zakriticheskikh deformatsiiakh. Khar'kov,
Izd-vo Khar'kovskogo univ. Vol.1.[Axial compression] Osevое
szhatie. 1962. 51 p. Vol.2.[External pressure] Vneshnee davlenie.
1962. 60 p. Vol.3.[Torsion] Kruchenie. 1962. 71 p. (MIRA 16:1)
(Elastic plates and shells)

POGORELOV, Aleksey Vasil'yevich; BLANK, Ya.P., prof., otv. red.;
SEMASHKO, A.A., rcd.

[Cylindrical shells at supercritical deformations] TSilindri-
cheskie obolochki pri zakriticheskikh deformatsiiakh. Khar'-
kov, Izd-vo Khar'kovskogo univ. No.4. [Limitedly elastic
shells, panels, orthotropic shells] Ogranichenno-uprugie
obolochki paneli; ortotropnye obolochki. 1963. 92 p.
(MIRA 17:10)

GORDEVSKIY, Dmitriy Zakharovich; LEYBIN, Aleksandr Sergeyevich;
GIRSHVAL'D, L.Ya., dcts., retsenzent; GAYDUK, Yu.M.,
retsenzent; BLANK, Ya.P., prof., ctv. red.; NESTERENKO,
A.S., red.

[Popular introduction to multidimensional geometry] Popu-
liarnoe vvedenie v mnogomernuiu geometriiu. Khar'kov, Izd-
vo Khar'kovskogo univ., 1964. 190 p. (MIRA 17:5)

BLANK, Ya.P.; MOTORNYY, L.T.

Translation surfaces of an elliptic space carrying two
translation nets. Usp.mat.nauk 19 no. 1:139-142 Ja-F
'64. (MIRA 17:6)

BLANK, Ya.P.; POGORELOV, A.V.

Second All-Union Conference on Geometry. Usp. mat. nauk. 20
no.4:216-218 Jl-Ag '65. (MIRA 18:5)

BLANK, Ya.P.; MOTORNYY, L.T.

W.Blaschke's problem concerning quasi-translation surfaces.
Dokl. AN SSSR 160 no.6:1235 1238 F '65.

(MIRA 18:2)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo.
Submitted September 30, 1964.

POGORELOV, Aleksey Vasil'yevich; BLANK, Ya.P., prof., otd. red.;
BAZILYANSKAYA, I.L., red.

[Strictly bulged shells in the case of post critical de-
formations] Strogo vypuklye obolochki pri zakriticheskikh
deformatiakh. Khar'kov, Izd-vo Khar'kovskogo gos. univ.
Pt.2. 1965. 78 p. (MIRA 19:1)

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EWT(1)/EWP(q)/EWT(r)/BDS AFITC/ASD/SSD JD

ACCESSION NR: AP3005330

8/0181/63/005/008/2228/2229

AUTHOR: Blank, Yu. S.; Vodakov, Yu. A.; Mostovskiy, A. A.

59

58

TITLE: Some results of investigations of electroluminescence in silicon carbide
p-n junctions

27 27

SOURCE: Fizika tverdogo tela, v. 5, no. 8, 1963, 2228-2229

TOPIC TAGS: silicon carbide electroluminescence, carrier-injection electro-
luminescence, injection luminescence, silicon carbide diode, light-generating
diode

ABSTRACT: The production of light emission in silicon carbide p-n junctions by the application of continuous and pulsed electric fields has been investigated with the aim of appraising the practical potentialities of the phenomenon. The measurements showed that the intensity of luminescence at continuous excitation, varies linearly with the current density and that only a few volts produce a luminescence on the order of 100 nit. At an excitation with pulses of 5-20 μ sec at 200 cps the afterglow inertia is about 10 μ sec, and the intensity decreases 5%; pulses of about 1.2 μ sec were required for saturation intensities,

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and a brightness of 1 stilb was momentarily achieved with 100- μ sec pulses.
Depending on the quality of the samples, the light emitted was green, yellow,
or red. Orig. art. has: 3 figures.

ASSOCIATION: Institut poluprovodnikov AN SSSR, Leningrad (Institute of Semiconductors, AN SSSR)

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Card 2/2

BLANK, Yu.S., VODAKOV, Yu.A.; MOSTOVSKIY, A.A.

Some results of studying electroluminescence in p-n junctions of
silicon carbide. Fiz. tver. tela 5 no.8:2228-2229 Ag '63.
(MIRA 16:9)

1. Institut poluprovodnikov AN SSSR, Leningrad.
(Electroluminescence) (Junction transistors)

BLANK, Yu.S.; YATLINKO, I.I.

Some results of a study on the luminescence of polarized ZnS-Cu,
Cl films. Fiz. tver tela 5 no.9:2688-2690 S '63. (MIRA 16:10)